

<p style="text-align: center;">   <b>INFORMATION DISCLOSURE CITATION</b>  <i>(Use several sheets if necessary)</i> </p>	Docket Number (Optional)	Application Number
	UA 02-023	10/600,935
	Applicant(s) <b>MANSURIPUR et al.</b>	
	Filing Date	Group Art Unit <b>1631</b>
	June 20, 2003	

## U.S. PATENT DOCUMENTS

## FOREIGN PATENT DOCUMENTS

REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO

**OTHER DOCUMENTS** *(Including Author, Title, Date, Pertinent Pages, Etc.)*

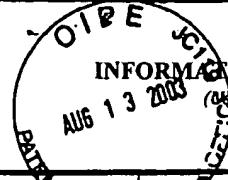
/RSN/		"A Molecular Shift Register Based on Electron Transfer" Hopfield et al., Science, 241, 1998 pgs. 817-820
/RSN/		"The Design of a Biochip: A Self-Assembling Molecular-Scale Memory Device" Robinson et al., Protei Engineering, Vol. 1, No. 4, 1987, pgs. 295-300

<b>EXAMINER</b>	<b>DATE CONSIDERED</b>
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<b>EXAMINER</b> <i>MALEMAN</i> <b>INITIAL</b>			
<b>OTHER DOCUMENTS</b> <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>			
/RSN/	<p>"DNA-Templated Assembly and Electrode Attachment of a Conducting Silver Wire" Braun et al., <i>Nature</i> 391, pgs. 775-778, 1998</p>		
	<p>"Substituted Polyacetylenes Through the Ring-Opening Metathesis Polymerization (ROMP) of Substituted Cyclooctatertraenes: A Route into Soluble Polyacetylene" Gorman et al., <i>Synthetic Metals</i> 41-43, 1991 pgs. 1033-1038</p>		
	<p>"Water-Soluble Ruthenium Alkyldenes: Synthesis, Characterization, and Application of Olefin Metathesis in Protic Solvents" Lynn et al. <i>J Am. Chem. Sci.</i> 2000, 122, 6601-6609</p> <p><b>Sequence</b></p>		
	<p>"Sequence-Specific Detection of Individual DNA Strands Using Engineered Nanopores" Howorka et al., <a href="http://www.nature.com">www.nature.com</a>, pgs. 1-10, 2003</p>		
	<p>"DNA, Human Memory, and the Storage Technology of the 21st. Century" Mansuripur, Keynote Paper the University of Arizona, 29 pgs. 2001 <i>Proceedings of the SPIE</i>, volume 4342</p>		
	<p>"Voltage-Driven DNA Translocations Through a Nanopore" Meller et al., <i>Physical Review Letters</i>, Volume 86, No. 15, 2001 pgs. 3435-3438</p>		
	<p>"Rapid Nanopore Discrimination Between Single Polynucleotide Molecules" Meller et al., <i>PNAS</i>, Vol. 97, No. 3, 2000, pgs. 1079-1084</p> <p><b>Microsecond</b></p>		
	<p>"Microsecond Time-Scale Discrimination Among Polycytidylc Acid, Polyadenylic Acid, and Polyuridylic Acid as Homopolymers or as Segments Within Single RNA Molecules" Akeson et al., <i>Biophysical Journal</i>, Volume 77, 1999, pgs. 3227-3233</p>		
	<p>"Characterization of Individual Polynucleotide Molecules Using a Membrane Channel" Kasianowicz et al., <i>Proc. Natl. Acad. Sci. USA</i>, Vol. 93, 1996, pgs. 13770-13773</p>		
	<p>"Driven DNA Transport into an Asymmetric Nanometer-Scale Pore" Henrickson et al., <i>Physical Review Letters</i>, Vol. 85, No. 14, 2000, pgs. 3057-3060</p>		
	<p>"Ion-Beam Sculpting at Nanometer Length Scales" Li et al., <i>Letters to Nature</i>, Vol. 412, 2001, pgs. 166-169</p>		
	<p>"Self-Assembling Organic Nanotubes" Bong et al., <i>Organic Nanotubes</i>, 2001, pgs. 988-1011</p>		
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EXAMINER INITIALS <i>[initials]</i>	<b>OTHER DOCUMENTS</b> <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>		
/RSN/	" The Optical Properties of Nanoshells" Halas, Optics and Photonics News, 2002, pgs. 26-30		
/RSN/	" Light-Directed, Spatially Addressable Parallel Chemical Synthesis" Fodor et al., Research Article, 1991, pgs. 767-773		
	" High-Density Synthetic Oligonucleotide Arrays" Lipshutz et al., Vol. 21, supplement pp. 20-24, pg. 7-12 no date		
/RSN/	" Light-Generated Oligonucleotide Arrays for Rapid DNA sequence Analysis" Pease et al., Proc. Natl. Acad. Sci. USA, Vol. 91, 1994, pgs. 5022-5026		
	" Molecular Interactions on Microarrays" Southern et al., Department of Biochemistry, University of Oxford, Article, pgs. 1-6 no date		
/RSN/	" Laser and Electron-Beam Induced Growth of Nanoparticles for 2D and 3D Metal Patterning" Stellacci et al., Advanced Materials, 2002, pgs. 134		
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/RSN/	" Nanoliter-Volume Discrete Drop Injection and Pumping in Microfabricated Chemical Analysis Systems" Handique et al., Solid-State Sensor and Actuator Workshop Hilton Head Island, South Carolina, 1998, pgs. 346-349		
	" The Flow of Wet Water" Article, 41-1 to 41-17 no date		
/RSN/	" Two-Photon Polymerization Initiators for Three-Dimensional Optical Data Storage and Microfabrication" Cumpston et al., Nature 398, 1999, pgs. 1-6		
EXAMINER			DATE CONSIDERED <b>04/14/2007</b>
<b>*EXAMINER:</b> Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.			